File S1. Image data of killer phenotypes exhibited by strains of Saccharomyces yeasts as summarized in figure 1. The organization of a large collection of strains of Saccharomyces yeasts arrayed on killer assay agar plates. Each killer yeast was assayed for toxin activity against 8 different lawns of susceptible yeast strains. Black squares indicate detectable killer toxin production.

|  |  | Sensitive Lawns |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \underset{\text { V }}{2} \end{aligned}$ | $\underset{4}{ \pm}$ | $\underset{\sim}{\underset{\sim}{J}}$ | $\begin{aligned} & n \\ & \underset{\sim}{\infty} \\ & \underset{\sim}{n} \\ & \infty \\ & \sim \\ & 0 \\ & 0 \\ & \vdots \\ & \hline \end{aligned}$ | $\begin{aligned} & \tilde{\sim} \\ & \underset{\sim}{\sim} \\ & \underset{\sim}{\sim} \end{aligned}$ | -1 0 0 0 0 | $\begin{aligned} & \text { } \\ & \underset{\sim}{n} \\ & \underset{\sim}{n} \end{aligned}$ | $$ |
|  | Y-580 |  |  |  |  |  |  |  |  |
|  | Y-670 |  |  |  |  |  |  |  |  |
|  | Y-846 |  |  |  |  |  |  |  |  |
|  | Y-969 |  |  |  |  |  |  |  |  |
|  | Y-972 |  |  |  |  |  |  |  |  |
|  | Y-1374 |  |  |  |  |  |  |  |  |
|  | Y-11845 |  |  |  |  |  |  |  |  |
|  | Y-12624 |  |  |  |  |  |  |  |  |
|  | Y-12646 |  |  |  |  |  |  |  |  |
|  | Y-12648 |  |  |  |  |  |  |  |  |
|  | Y-17034 |  |  |  |  |  |  |  |  |
|  | Y-27339 |  |  |  |  |  |  |  |  |
|  | Y-27470 |  |  |  |  |  |  |  |  |
|  | Y-48770 |  |  |  |  |  |  |  |  |
|  | Y-63707 |  |  |  |  |  |  |  |  |
|  | Y-63718 |  |  |  |  |  |  |  |  |
|  | YB-254 |  |  |  |  |  |  |  |  |
|  | YB-432 |  |  |  |  |  |  |  |  |
|  | Y-567 |  |  |  |  |  |  |  |  |
|  | Y-851 |  |  |  |  |  |  |  |  |
|  | Y-852 |  |  |  |  |  |  |  |  |
|  | Y-897 |  |  |  |  |  |  |  |  |
|  | Y-898 |  |  |  |  |  |  |  |  |
|  | YB-908 |  |  |  |  |  |  |  |  |
|  | Y-954 |  |  |  |  |  |  |  |  |
|  | Y-975 |  |  |  |  |  |  |  |  |
|  | Y-976 |  |  |  |  |  |  |  |  |
|  | Y-977 |  |  |  |  |  |  |  |  |
|  | Y-1018 |  |  |  |  |  |  |  |  |
|  | Y-1089 |  |  |  |  |  |  |  |  |
|  | Y-1285 |  |  |  |  |  |  |  |  |
|  | Y-1301 |  |  |  |  |  |  |  |  |
|  | Y-1370 |  |  |  |  |  |  |  |  |
|  | Y-1428 |  |  |  |  |  |  |  |  |
|  | Y-1429 |  |  |  |  |  |  |  |  |
|  | Y-1430 |  |  |  |  |  |  |  |  |
|  | Y-1436 |  |  |  |  |  |  |  |  |
|  | Y-1438 |  |  |  |  |  |  |  |  |
|  | Y-1536 |  |  |  |  |  |  |  |  |
|  | Y-1540 |  |  |  |  |  |  |  |  |
|  | YB-1773 |  |  |  |  |  |  |  |  |
|  | Y-1891 |  |  |  |  |  |  |  |  |
|  | Y-2044 |  |  |  |  |  |  |  |  |
|  | Y-2045 |  |  |  |  |  |  |  |  |
|  | Y-2046 |  |  |  |  |  |  |  |  |



$|$| $\mathrm{Y}-63713$ |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathrm{Y}-63714$ |  |  |  |  |  |  |  |  |
| $\mathrm{Y}-63715$ |  |  |  |  |  |  |  |  |
| $\mathrm{Y}-63716$ |  |  |  |  |  |  |  |  |
| $\mathrm{Y}-63717$ |  |  |  |  |  |  |  |  |


| $\mathrm{Y}-1436$ |  |  |  |
| :---: | :---: | :---: | :---: |
| Y -2045 |  | Y -1438 |  |
| $\mathrm{Y}-2044$ | $\mathrm{Y}-2046$ | $\mathrm{Y}-1536$ |  |
| $\mathrm{Y}-1891$ |  |  | $\mathrm{Y}-1540$ |
| $\mathrm{YB}-1773$ |  |  |  |

BY4741


NCYC 2729


Key

| Y-2204 |  |  |  |
| :---: | :---: | :---: | :---: |
| YB-4255 |  | Y-2205 |  |
| YB-4237 | YB-4634 | Y-2429 |  |
| Y-2434 |  | $\mathrm{Y}-2430$ |  |
| $\mathrm{Y}-2432$ |  |  |  |



BY4741


SSS 104
NCYC 2729


Key

| YB-4635 |  |  |  |
| :---: | :---: | :---: | :---: |
| $\mathrm{Y}-10988$ |  | Y -5508 |  |
| $\mathrm{Y}-7567$ | $\mathrm{Y}-11875$ | $\mathrm{Y}-5509$ |  |
| $\mathrm{Y}-7328$ |  |  |  |
| $\mathrm{Y}-5510$ |  |  |  |

K12


BY4741


## Key

| $\mathrm{Y}-12842$ |  |  |  |
| :---: | :---: | :---: | :---: |
| $\mathrm{Y}-27796$ |  | $\mathrm{Y}-17009$ |  |
| $\mathrm{Y}-27788$ | $\mathrm{Y}-63703$ | $\mathrm{Y}-17898$ |  |
| $\mathrm{Y}-27437$ |  |  |  |
| Y | $\mathrm{Y}-27106$ |  |  |



NCYC 2729


BY4741


Key

| $\mathrm{Y}-63748$ |  |  |  |
| :---: | :---: | :---: | :---: |
| Y -63705 |  | Y -63749 |  |
| Y-63704 | Y-63706 | Y-27340 |  |
| $\mathrm{Y}-27471$ |  |  |  |
| $\mathrm{Y}-27342$ |  |  |  |

BY4741


Key

| Y -788 |  |  |  |
| :---: | :---: | :---: | :---: |
| Y -1912 |  | Y -863 |  |
| Y -1548 | $\mathrm{Y}-2038$ | Y -911 |  |
| Y -1356 |  | Y -1088 |  |
| Y -1344 |  |  |  |

K12


BY4741


SSS 104


Key

| YB-2047 |  |  |  |
| :---: | :---: | :---: | :---: |
| Y-12602 |  | YB-4137 |  |
| Y-11842 | Y-17218 | YB-4565 |  |
| $\mathrm{Y}-6179$ |  |  |  |
| Y-6177 |  |  |  |

BY4741


## Key

| Y-17353 |  |  |  |
| :---: | :---: | :---: | :---: |
| Y-63714 |  | Y -63708 |  |
| Y-63713 | Y-63715 | Y-63709 |  |
| Y -63712 |  |  |  |
| Y -63711 |  |  |  |

BY4741


NCYC 2729


Key

| Y-63716 |  |  |
| :---: | :---: | :---: |
| 1200 |  |  |
| 1130 | 1133 | Y-63717 |
| 1119 |  |  |
| 838 |  |  |

K12


SSS 104

BY4741


NCYC 2729


Key

| $\mathrm{Y}-580$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{Y}-12624$ |  | $\mathrm{Y}-670$ |  |  |  |
| $\mathrm{Y}-11845$ | $\mathrm{Y}-12646$ | $\mathrm{Y}-846$ |  |  |  |
| $\mathrm{Y}-1374$ |  |  |  |  | $\mathrm{Y}-969$ |
| $\mathrm{Y}-972$ |  |  |  |  |  |

NCYC 2729


Key

| Y-12648 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| YB-254 |  | Y-17034 |  |  |
| Y-63718 | YB-432 | Y-27339 |  |  |
| Y-63707 |  |  | Y-27470 |  |
| Y-48770 |  |  |  |  |

NCYC 2729


Key

| Y-567 |  |  |
| :---: | :---: | :---: |
| Y-975 |  | Y-851 |
| Y-954 | Y-976 | Y-852 |
| YB-908 |  |  |
| Y-898 |  |  |



CBS 7001



FY4

NCYC 2729


Key

| $\mathrm{Y}-977$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{Y}-1429$ |  | $\mathrm{Y}-1018$ |  |  |  |
| $\mathrm{Y}-1428$ | $\mathrm{Y}-1430$ | $\mathrm{Y}-1089$ |  |  |  |
| $\mathrm{Y}-1370$ |  |  |  |  | $\mathrm{Y}-1285$ |
| $\mathrm{Y}-1301$ |  |  |  |  |  |

NCYC 2729


